

AEC-tr-4482(p.1405-18) Unc1.

APPLICATION OF RADIATION TO THE BREEDING OF
TOBACCO. Seiji Matsumura, Taro Fujii, and
Masao Tanaka.

C-23 P NSA

*Second Japan Conference
Radioisotopes, Feb. 1958*

N-5

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*Second Japan Conference
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The Electric Character and the Electroluminescence of
ZnS Crystals with Various Metal Electrodes, By
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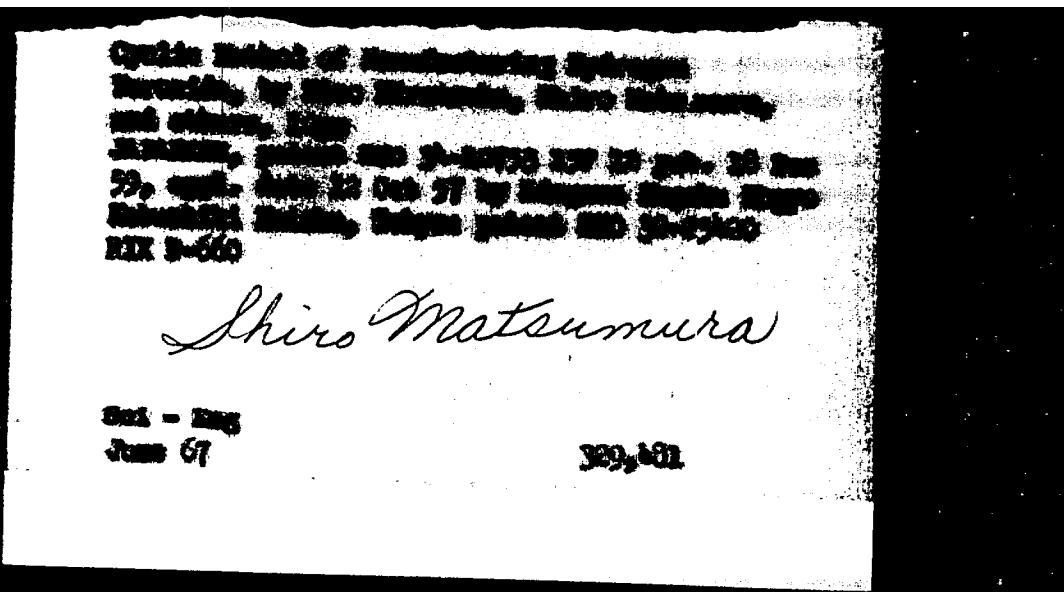
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Technical Improvements in Welding, by W. Matsunaga

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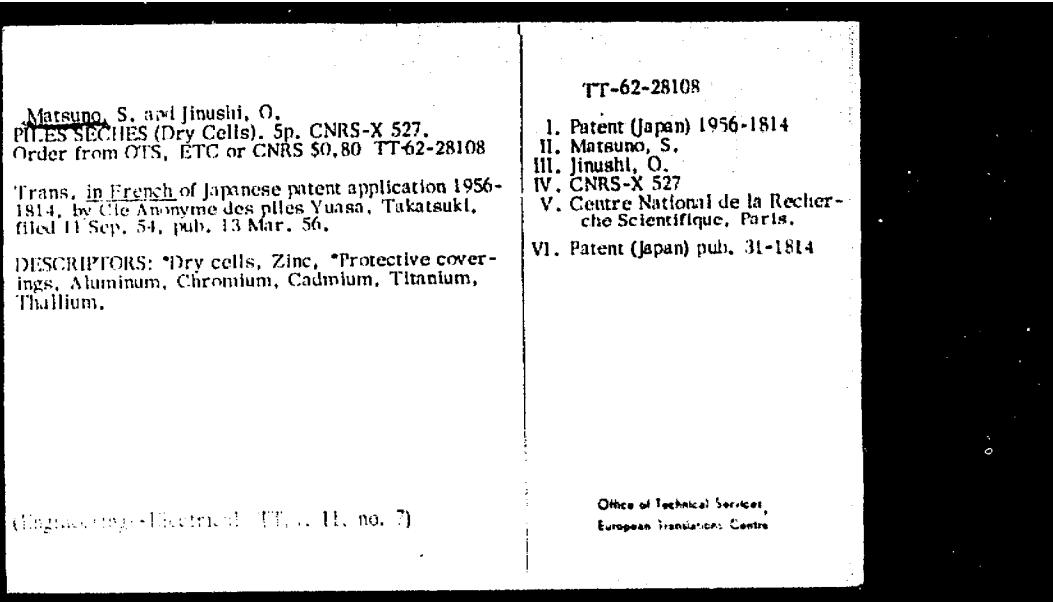
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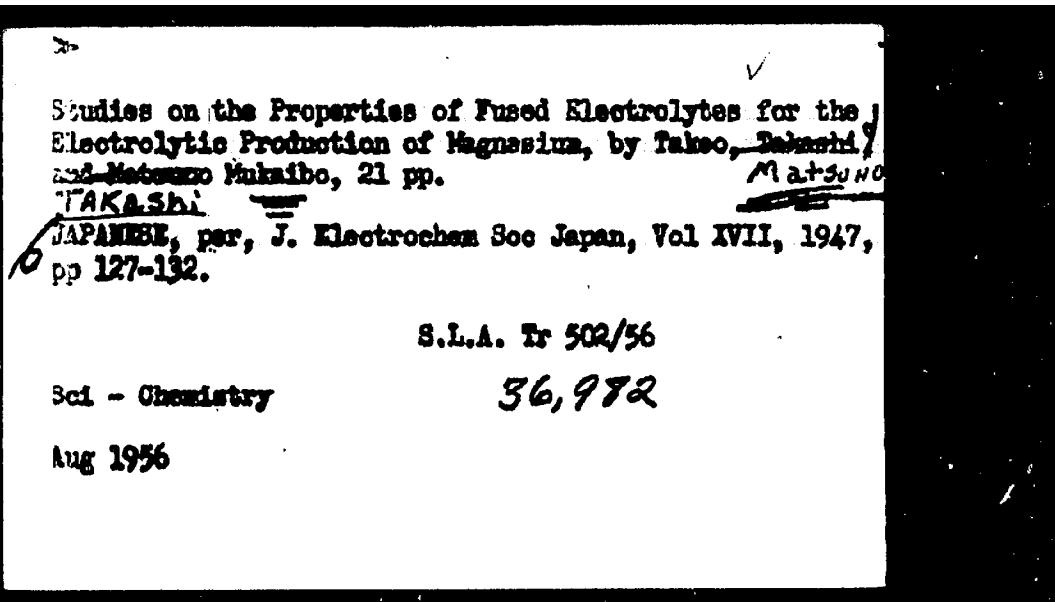


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(NASA TECHNICAL TRANSLATION F-51. Translation
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Presented is a report on a project whose purpose is
to devise a means of observing the action of the
human body at a distance by observing the small
electrical voltages of the electrocardiogram, electro-
encephalogram, etc., with a radio telemetry system.
The system would allow the study of the human body
or animals in action to investigate the unknown cause
of accidents under special conditions, to study the
adaptability of a human body, to analyze the phenom-
ena of exhaustion, and to discover the most suitable
ways of maintaining health under variable conditions.

Copies obtainable from NASA, Washington

- I. Matsuo, T.
- II. NASA TT F-51
- III. Mitsubishi Denki K.
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No. TM-51001 (Japan)

(Initial NASA distribution:
9, Biomedicine; 17, Com-
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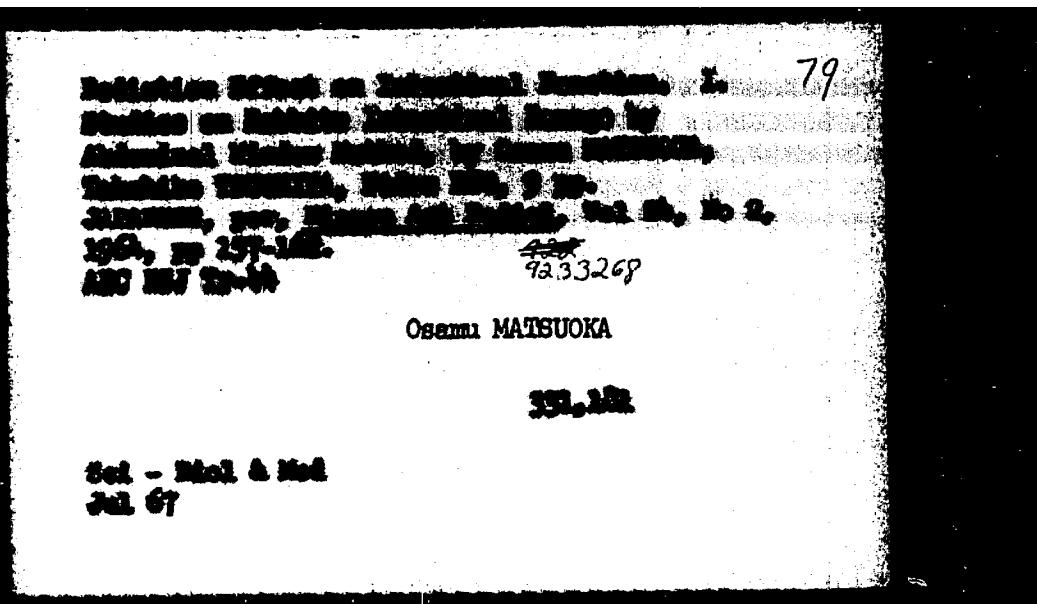
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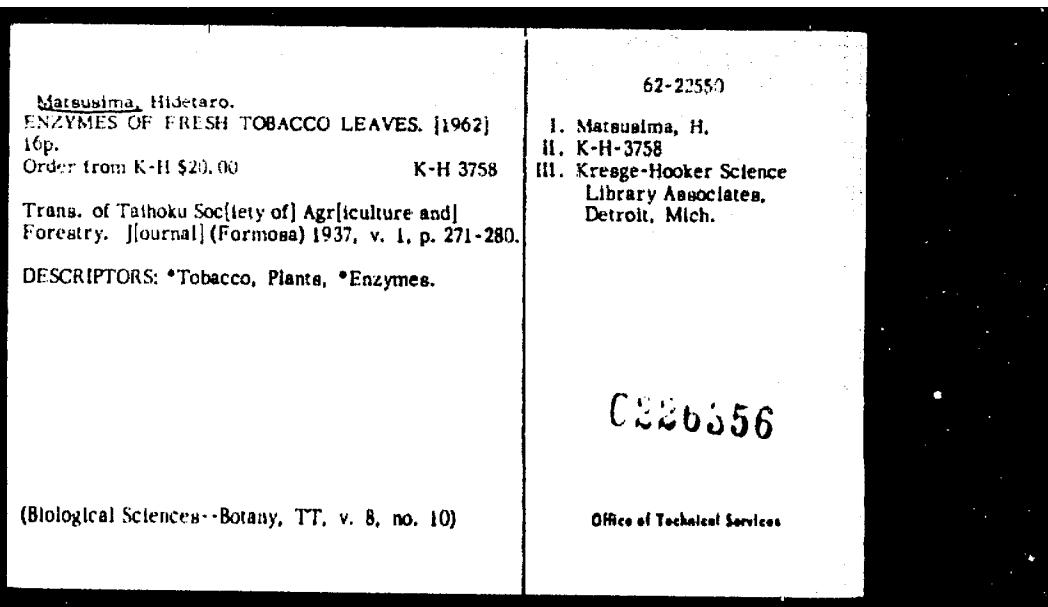
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Yoichi Inada, 10 pp.

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CRL/T 1804

Y. MATSUSHITA

Sci -
Sep 67

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The Electrical Conductivity of Molten Binary Slags,
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On the Rate of Fluid-Bed Reduction of Iron
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Electrical Conductivity of Molten CaO-Al₂O₃ Slag,
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Kenzo Kasuga, Hiroharu Matsutani; Experi-
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peratures on Pathogenic Microorganisms, by
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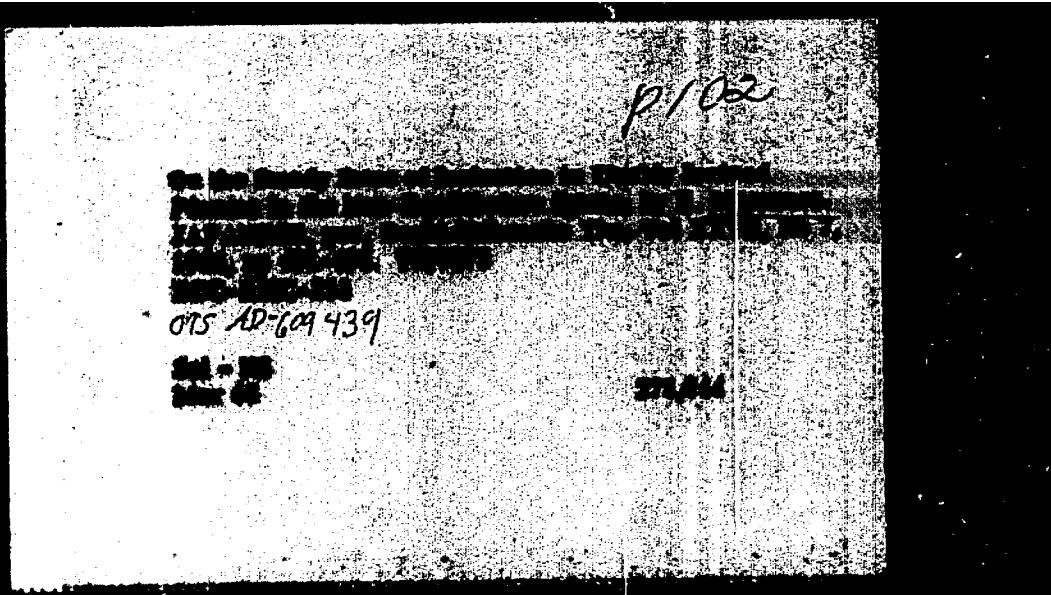
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Mar 62

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APPROVED FOR RELEASE: Monday, July 28, 2003

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May 1955, Encl to Report No IR-1790-55,
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AF 680181

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<p>Matsuura, Ikuya, Kubokawa, Yutaka, and Toyama, Osemu. OXIDATION OF CARBON MONOXIDE BY ZINC OXIDE. [1961] 19p. 9 refs. Order from SLA \$1.60</p> <p>Trans. of Nihon Kagaku Zasshi (Japan) 1960, v. 81, no. 7, p. 997-1003.</p> <p>DESCRIPTORS: Carbon compounds, *Monoxides, Oxidation, Zinc compounds, *Oxides, *Catalysts, Semiconductors, Oxygen, Carbon dioxide, Adsorption, Chemical reactions, *Catalysis.</p> <p>(Chemistry--Physical, TT, v. 6, no. 1)</p>	<p>61-10837</p> <p>I. Matsuura, I. II. Kubokawa, Y. III. Toyama, O.</p> <p>Office of Technical Services</p>
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Matsuura, Ikuya, Kubokawa, Yutaka, and Toyama,
Osamu.
OXIDATION OF CARBON MONOXIDE BY NICKEL
OXIDE. [1961] 13p. 7 refs.
Order from SLA \$1.60

61-10834

Trans. of Nihon Kagaku Zasshi (Japan) 1960, v. 81,
no. 7, p. 1003-1007.

DESCRIPTORS: Carbon compounds, *Monoxides,
Oxidation, Nickel compounds, *Oxides, *Catalysts,
Semiconductors, Oxygen, Carbon dioxide, Adsorption,
Chemical reactions, *Catalysis.

61-10834

I. Matsuura, I.
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(Chemistry--Physical, TT, v. 6, no. 1)

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The Soil Freezing Method in Engineering Construction
by T. Takashi, K. Matsunaga, et al., 50 pp.
FOR OFFICIAL USE ONLY FOR INTERNAL USE WITHIN
THE DEPARTMENT OF DEFENSE ONLY
JAPANESE, per, Reite, Vol 37, No 411, 1962,
pp 1-15. P100154568-V
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K. Matsunaga

Sci/Earth Sci
Aug 68

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THE DEPARTMENT OF DEFENSE ONLY**
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FTD-HT-67-82

Sci/Barth Sci
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Concerning Clinical Experience with Hematoporphyrin-
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Kiyoshi Matsuura, Kichishiro Fujita, 5 p.

JAPANESE, per, GANN, 1958, Vol XLIX, suppl.
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SLA 59-17926

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Vol 2, No 11

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<p>Matsuura, Minoru and Kimi, Kazuo, PROCESS OF ZINC REMOVAL FROM OPEN HEARTH FURNACE DUST. Pt. 4 of Research on the Treatment of the Iron Industry Dust. Jul 63 [6p] 1 ref Order from SLA \$1.10 63-20070</p> <p>Trans. of Tetsu to Hagane (Japan) 1962, v. 48, no. 4, p. 453-455.</p> <p>DESCRIPTORS: *Dusts, Iron industry, Open hearth furnaces, *Zinc compounds, Oxides, Separation, Pellets, Coke, Rotary furnaces.</p> <p>In this method of removing Zn from open hearth furnace dust, a product of semi-reduced Loppeen of about 60% total iron (40% metallic Fe), Zn < 3.0% and its by- products (about 85% of zinc oxide) were obtained. This zinc oxide may be effectively utilized and therefore, it is well justified budget-wise. An important reason for (Metallurgy, TT, v. 10, no. 11) (over)</p>	<p>63-20070</p> <p>I. Matsuura, M. II. Kimi, K. III. Title: Research...</p> <p>11 85525</p> <p>Office of Technical Services</p>
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Chemistry of Cobalt (II) Ethylenediamine-¹²⁵
Tracetate in Aqueous Solution, by Matsunaga, Niro,
Minoshita, Nobuyoshi, et al. 25 pp.
Received, per, Hiroon Katsuka, Tel 64, 1663
P.O. 197-802.
ALV/MLB-1241

NIRO MATSUURA

Ref. Service

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Matsuura, Ryo.

OXIDATION REACTION OF VANADIUM TRIOXIDE
(BY OXYGEN). Rept. no. 2 of Studies on Vanadium
Pentoxide Catalysts. [1962] 12p. 4 refs.
Order from SLA \$1.60

62-10697

Trans. of Nihon Kagaku Zasshi (Japan) 1961, v. 82,
no. 3, p. 281-285.

DESCRIPTORS: *Vanadium catalysts, Vanadium com-
pounds, Oxides, Oxidation, Oxygen, Ions, Reaction
kinetics, Thin films, Temperature, Pressure, Potas-
sium compounds, Sulfates.

The oxidation velocity of vanadium trioxide formed by
the hydrogen-reduction of vanadium pentoxide was mea-
sured at oxygen pressures of 60~250 mmHg and
temperatures of 250°~350°C and it was seen that the
reaction consisted of a rapidly progressing reaction in
(Chemistry--Physical, TT, v. 9, no. 3) (over)

62-10697

I. Matsuura, R.
II. Title: Studies ...

C227487

Office of Technical Services

Trans. of published Japanese patent 11, 121/1962,
cl. 16-C-841 (16-C-85) (16-D-41) appl. no. 32, 643/1959,
17 Oct 59, pub. 15 Aug 62, by Mitsubishi Kasei Kogyo Co.

DESCRIPTORS: Monocyclic compounds, *Cyclohexane, Methyl radical, *Naphthalenes, Oxidation, Catalysts, *Boric acids, Alcohols, Ketones, *Cyclohexanols, *Cyclohexanones, Production.

(Chemistry--Organic, TT, v. 10, no. 4)

63-17461

I. Matsunaga, R.
II. Sasaki, Y.
III. Patent (Japan) pub. 37-11 121
IV. SA Code-P99
V. Setsuzaburo Aoki (Japan)

卷之三

Office of Technical Services

<p>Matsuura, Ryo. HYDROGEN-REDUCTION REACTION OF VANADIUM PENTOXIDE GRANULES CONTAINING VARYING AMOUNTS OF MOLYBDENUM TRIOXIDE. Rept. no. 5 of Studies on Vanadium Pentoxide Catalysts. [1962] 7p. 5 refs. Order from SLA \$1.10</p> <p>Trans. of Nihon Kagaku Zasshi (Japan) 1961, v. 82, no. 4, p. 421-423.</p> <p>DESCRIPTORS: *Vanadium catalysts, Vanadium compounds, *Oxides, Hydrogen, Reduction, Grains (Metallurgy), *Molybdenum compounds, Eutectics, Reaction kinetics.</p> <p>Granular vanadium pentoxide catalysts containing varying amounts of molybdenum trioxide were made by the same method as in the Third report (available in trans. (Chemistry--Physical, TT, v. 9, no. 1) (over)</p>	<p>62-10694</p> <p>I. Matsuura, R. II. Title: Studies ... AC 31750 Office of Technical Services</p>
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Matsuura, Ryo.

REDUCTION REACTION OF SPHERICAL VANADIUM PENTOXIDE GRAINS IN HYDROGEN STREAM. Rept. no. 3 of Studies on Vanadium Pentoxide Catalysts. [1962] 8p. 1 ref.

Order from SLA \$1.10

62-10693

Trans. of Nihon Kagaku Zasshi (Japan) 1961, v. 82, no. 4, p. 417-419.

DESCRIPTORS: *Vanadium catalysts, Vanadium compounds, Oxides, Grains (Metallurgy), Hydrogen, Reduction, Reaction kinetics, Thin films, Water, Diffusion.

Spherical vanadium pentoxide samples were prepared, and these were reduced by the normal-pressure flow-through method; the reduction velocity was determined from the amount of water formed. It was discovered as (Chemistry--Physical, TT, v. 9, no. 3) (over)

62-10693

I. Matsuura, R.
II. Title: Studies ...

C227485

Office of Technical Services

Matsuura, Ryo.

REDUCTION REACTION OF VANADIUM PENTOXIDE
BY HYDROGEN (REDUCTION OF VANADIUM PENT-
OXIDE BY A STATIC METHOD). Rept. no. 1 of
Studies on Vanadium Pentoxide Catalysts. [1962] 13p.
13 refs.

Order from SLA \$1.60

62-10696

Trans. of Nihon Kagaku Zasshi (Japan) 1961, v. 82,
no. 3, p. 276-281.

DESCRIPTORS: *Vanadium catalysts, Vanadium com-
pounds, Oxides, Reduction, Hydrogen, Reaction
kinetics.

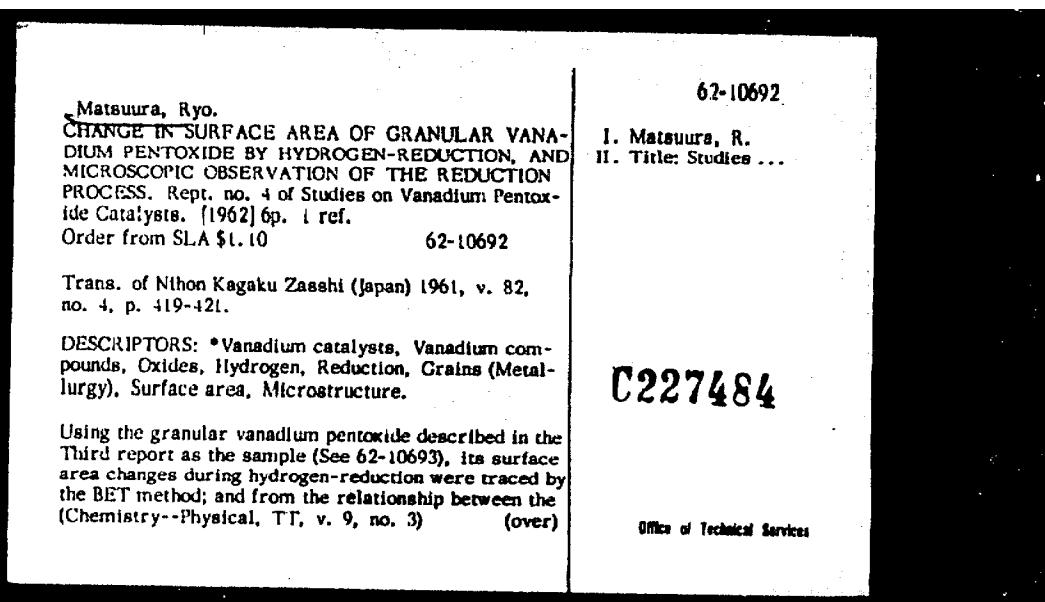
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